



#### About us:

Parallel Wireless is an innovative company in the cellular small-cell business. We're reimagining the architecture of the cellular network to address the existing challenges of bringing cellular coverage to unconnected areas (2G, 3G and 4G) and the future challenges coming with the evolution of 5G. We are a fast-moving, award-winning, amazing technology company, embracing ambitious innovation, cutting-edge technology and customers' success. Lately, we've opened our Israeli branch (central district) which is the main R&D center of the company. We're looking for top talented, creative and ambitious candidates to join our exceptional team.

## ***Open Position: RRM Algorithms Engineer - Radio Resource Management (RRM) for Advanced Base-Station Products***

We are looking for highly motivated, and passionate, wireless MAC/RRM algorithm engineer for the design, simulation, and optimization of advanced RRM algorithms for our next generation base-station products.

#### **Job Responsibilities:**

- Solid knowledge in the MAC and physical layer specifications LTE/LTE-Advanced/5G-NR
- Design and simulation of advanced RRM algorithms such as rate adaptation, power control, scheduling, and interference mitigation
- Provide performance figures based on extensive simulations.
- Work closely with system and low-level software architects to specify system requirements for the MAC scheduler
- Work closely with the software and the implementation teams in developing the specified algorithms
- Document the design, implementation and test processes, and present the technical results to various internal and external customers in a timely fashion

#### **Job Requirements:**

- Experience in the design, simulation and implementation of advanced wireless standards such as LTE/LTE-Advanced. Outstanding graduates will be considered
- Hands-on experience in MATLAB and C/C++. Experience with MATLAB LTE Toolbox, OMNET, NS3 or other simulation platform
- Experience in 3GPP features such as interference cancellation, Carrier Aggregation (CA), CoMP - **Advantage**
- Excellent communication skills, and ability to thrive in a global multi-site environment

#### **Education:**

- B.Sc with a major in communication theory and systems and/or signal processing.
- M.Sc/PhD with a major in communication theory and systems and/or signal processing - **Advantage**

#### **Job Location:**

- Israel, central district

Email for CV: [careers.israel@parallelwireless.com](mailto:careers.israel@parallelwireless.com)